

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Claims:

1. (Currently Amended) A method of controlling the migration of ~~formation sand particulates~~ in a well bore ~~and increasing surface area for well production~~ comprising the steps of:
  - (a) hydrajetting at least one slot into a zone along a well bore; ~~and~~,
  - (b) placing a consolidation material comprising proppant particulates into the slot;
  - (c) placing an expandable screen in the well bore, the expandable screen having at least a plurality of openings, and the size of at least one of the openings is smaller than the average size of the proppant particulates; and
  - (d) expanding at least a portion of the expandable screen in the well bore relative to the walls of the well bore.
2. (Currently Amended) The method of claim 1 further comprising the step of, after step (b)(d):
  - (e) ~~placing and expanding an expandable screen in the isolated zone of the well bore.~~
  - (e) allowing the expandable screen to prevent the migration of at least one proppant particulate into the well bore.
3. (Original) The method of claim 1 wherein the consolidation material comprises a resin.
4. (Original) The method of claim 3 wherein the resin consolidation material comprises a hardenable resin component comprising a hardenable resin and a hardening agent component comprising a liquid hardening agent, a silane coupling agent, and a surfactant.
5. (Currently Amended) The method of claim 4 wherein the hardenable resin in the liquid hardenable resin component is an organic resin ~~comprising selected from the group consisting of~~ bisphenol A-epichlorohydrin resin, polyepoxide resin, novolak resin, polyester resin, phenol-aldehyde resin, urea-aldehyde resin, furan resin, urethane resin, glycidyl ethers, ~~or~~ and mixtures thereof.

6. (Currently Amended) The method of claim 4 wherein the liquid hardening agent in the liquid hardening agent component ~~comprises~~ is selected from the group consisting of amines, aromatic amines, aliphatic amines, cyclo-aliphatic amines, piperidine, triethylamine, benzylidimethylamine, N,N-dimethylaminopyridine, 2-(N<sub>2</sub>N-dimethylaminomethyl)phenol, tris(dimethylaminomethyl)phenol, ~~or~~ and mixtures thereof.

7. (Currently Amended) The method of claim 4 wherein the silane coupling agent in the liquid hardening agent component ~~comprises~~ is selected from the group consisting of N-2-(aminoethyl)-3-aminopropyltrimethoxysilane, 3-glycidoxypropyltrimethoxysilane, n-beta-(aminoethyl)-gamma-aminopropyl trimethoxysilane ~~or~~, and mixtures thereof.

8. (Currently Amended) The method of claim 4 wherein the surfactant in the liquid hardening agent component ~~comprises~~ is selected from the group consisting of ethoxylated nonyl phenol phosphate ester, mixtures of one or more cationic surfactants, a C<sub>12</sub> – C<sub>22</sub> alkyl phosphonate surfactant, one or more non-ionic surfactants and an alkyl phosphonate surfactant, ~~or~~ and mixtures thereof.

9. (Currently Amended) The method of claim 4 wherein the resin consolidation material is a furan-based resin ~~comprising~~ selected from the group consisting of furfuryl ~~alcohols~~, ~~a mixture~~ mixtures of furfuryl alcohol with an aldehyde, ~~a mixture~~ mixtures of furan resin and phenolic resin ~~or~~, and mixtures thereof.

10. (Currently Amended) The method of claim 4 further comprising a solvent ~~comprising~~ selected from the group consisting of 2-butoxy ethanol, butyl acetate, furfuryl acetate, ~~or~~ and mixtures thereof.

11. (Currently Amended) The method of claim 3 wherein the resin consolidation material is a phenolic-based resin ~~comprising~~ selected from the group consisting of ~~terpolymer~~ ~~terpolymers~~ of phenol, phenolic formaldehyde resin, ~~a mixture~~ mixtures of phenolic and furan resin, ~~or~~ and mixtures thereof.

12. (Currently Amended) The method of claim 11 further comprising a solvent ~~comprising~~ selected from the group consisting of butyl acetate, butyl lactate, furfuryl acetate, 2-butoxy ethanol, ~~or~~ and mixtures thereof.

13. (Currently Amended) The method of claim 3 wherein the resin consolidation material is a HT epoxy-based resin ~~comprising~~ selected from the group consisting of bisphenol

A-epichlorohydrin resin, polyepoxide resin, novolac resin, polyester resin, glycidyl ethers, ~~or~~ and mixtures thereof.

14. (Currently Amended) The method of claim 13 further comprising a solvent ~~comprising selected from the group consisting of~~ dimethyl sulfoxide, dimethyl formamide, dipropylene glycol methyl ether, dipropylene glycol dimethyl ether, dimethyl formamide, diethylene glycol methyl ether, ethylene glycol butyl ether, diethylene glycol butyl ether, propylene carbonate, ~~d-limonene~~ ~~d-limonene~~, fatty acid methyl esters, ~~or~~ and mixtures thereof.

15. (Original) The method of claim 1 wherein the consolidation material comprises a tackifying material.

16. (Currently Amended) The method of claim 15 wherein the tackifying ~~consolidation~~ material is ~~selected from the group consisting of~~ polyamides, ~~is a~~ polyamide, polyesters, polycarbonates, polycarbamates, natural resins, ~~or~~ and combinations thereof.

17. (Currently Amended) The method of claim ~~2~~ 1 wherein the well bore comprises a cased well bore.

18. (Cancelled)

19. (Currently Amended) The method of claim ~~2~~ 1 wherein the well bore comprises an uncased well bore.

20. (Currently Amended) The method of claim ~~17~~ 19 wherein the size of ~~at least one of the openings in the expandable screen is smaller than both the average size of the proppant particulates~~ ~~used~~ and the average size of the formation sands.

21. (Currently Amended) A method of ~~increasing production from a zone along a~~ ~~controlling the migration of particulates in a~~ well bore comprising the steps of:

(a) hydrajetting at least one slot into the zone along the well bore; ~~and~~  
(b) placing a consolidation material comprising ~~proppant~~ particulates into the slot;

~~(c) placing an expandable screen in the well bore, the expandable screen having at least a plurality of openings;~~

~~(d) expanding at least a portion of the expandable screen in the well bore relative to the walls of the well bore; and~~

~~(e) allowing the expandable screen to prevent the migration of at least one proppant particulate into the well bore.~~

22. (Cancelled)
23. (Original) The method of claim 21 wherein the consolidation material comprises a resin.
24. (Original) The method of claim 23 wherein the resin consolidation material comprises a hardenable resin component comprising a hardenable resin and a hardening agent component comprising a liquid hardening agent, a silane coupling agent, and a surfactant.
25. (Currently Amended) The method of claim 24 wherein the hardenable resin in the liquid hardenable resin component is an organic resin ~~comprising selected from the group consisting of~~ bisphenol A-epichlorohydrin resin, polyepoxide resin, novolak resin, polyester resin, phenol-aldehyde resin, urea-aldehyde resin, furan resin, urethane resin, glycidyl ethers, ~~or~~ and mixtures thereof.
26. (Currently Amended) The method of claim 24 wherein the liquid hardening agent in the liquid hardening agent component ~~comprises is selected from the group consisting of~~ amines, aromatic amines, aliphatic amines, cyclo-aliphatic amines, piperidine, triethylamine, benzylidimethylamine, N,N-dimethylaminopyridine, 2-(N<sub>2</sub>N-dimethylaminomethyl)phenol, tris(dimethylaminomethyl)phenol, ~~or~~ and mixtures thereof.
27. (Currently Amended) The method of claim 24 wherein the silane coupling agent in the liquid hardening agent component ~~comprises is selected from the group consisting of~~ N-2-(aminoethyl)-3-aminopropyltrimethoxysilane, 3-glycidoxypropyltrimethoxysilane, n-beta-(aminoethyl)-gamma-aminopropyl trimethoxysilane ~~or, and~~ mixtures thereof.
28. (Currently Amended) The method of claim 24 wherein the surfactant in the liquid hardening agent component ~~comprises is selected from the group consisting of~~ ethoxylated nonyl phenol phosphate ester, mixtures of one or more cationic surfactants, a C<sub>12</sub> – C<sub>22</sub> alkyl phosphonate surfactant, one or more non-ionic surfactants and an alkyl phosphonate surfactant, ~~or~~ and mixtures thereof.
29. (Currently Amended) The method of claim 24 wherein the resin consolidation material is a furan-based resin ~~comprising selected from the group consisting of~~ furfuryl ~~alcohol~~alcohols, ~~a mixture~~mixtures of furfuryl alcohol with an aldehyde, ~~a mixture~~mixtures of furan resin and phenolic resin ~~or~~, and mixtures thereof.

30. (Currently Amended) The method of claim 24 further comprising a solvent ~~comprising selected from the group consisting of~~ 2-butoxy ethanol, butyl acetate, furfuryl acetate, ~~or and~~ mixtures thereof.

31. (Currently Amended) The method of claim 23 wherein the resin consolidation material is a phenolic-based resin ~~comprising selected from the group consisting of terpolymer terpolymers of phenol, phenolic formaldehyde resin, a mixture mixtures of phenolic and furan resin, or and~~ mixtures thereof.

32. (Currently Amended) The method of claim 31 further comprising a solvent ~~comprising selected from the group consisting of~~ butyl acetate, butyl lactate, furfuryl acetate, 2-butoxy ethanol, ~~or and~~ mixtures thereof.

33. (Currently Amended) The method of claim 23 wherein the resin consolidation material is a HT epoxy-based resin ~~comprising selected from the group consisting of~~ bisphenol A-epichlorohydrin resin, polyepoxide resin, novolac resin, polyester resin, glycidyl ethers, ~~or and~~ mixtures thereof.

34. (Currently Amended) The method of claim 33 further comprising a solvent ~~comprising selected from the group consisting of~~ dimethyl sulfoxide, dimethyl formamide, dipropylene glycol methyl ether, dipropylene glycol dimethyl ether, dimethyl formamide, diethylene glycol methyl ether, ethylene glycol butyl ether, diethylene glycol butyl ether, propylene carbonate, ~~d-limonene~~ ~~d-limonene~~, fatty acid methyl esters, ~~or and~~ mixtures thereof.

35. (Original) The method of claim 21 wherein the consolidation material comprises a tackifying material.

36. (Currently Amended) The method of claim 35 wherein the tackifying ~~consolidation material is a polyamide, material is selected from the group consisting of polyamides, polyesters, polycarbonates, polycarbamates, natural resins, or and~~ combinations thereof.

37. (Currently Amended) The method of claim ~~22~~ 21 wherein the well bore comprises a cased well bore.

38. (Currently Amended) The method of claim 37 wherein the size of the openings in the expandable screen is smaller than the average size of ~~the proppant particulates particulate used.~~

39. (Currently Amended) The method of claim ~~22~~ 21 wherein the well bore comprises an uncased well bore.

40. (Currently Amended) The method of claim ~~37~~ 39 wherein the size of the openings in the expandable screen is smaller than both the average size of the proppant particulates ~~particulate used~~ and the average size of the formation sands.